

them that were passed to the control program agent during initial data retrieval steps in order to match command file variable names of said environment variables with the data that was passed to the control program agent as variable information data values.

10. A method of fulfilling requests according to claim 9 wherein the steps further comprise: subsequently, in preparation for a report, said program command agent creating creates a unique filename which may include data originated by the HTML document's variables stored in said buffer as a data array to pass to the command file as a command file environment variable for use in naming the report which will be created by the command file, which as a result the command file will create that file with the unique file name during its process.

11. A method of fulfilling requests according to claim 10 wherein the steps further comprise: subsequently, for a user query using the API to set the command file variable values in anticipation of command file execution, the values of environment variables used by the command file are obtained from said data array in the control program memory containing command file variable names of said environment variables as well as user defined values of said information variable data for said user query that were passed to the control program agent as parameters for query data from the HTML document that referred to said control program agent which contains values selected by the user and/or default values selected by a HTML document designer set in a command file program prior to its execution.

12. A method of fulfilling requests according to claim 11 wherein the steps further comprise: subsequently, using an API to query and determine the size of a queue of jobs being requested, and comparing whether the size has exceeded a predetermined threshold number of jobs being requested, and if so, then entering a wait state loop to wait and reiteratively comparing whether the size still has exceeded said predetermined threshold number of jobs being requested until the queue size is reduced to below said threshold level, and then at that point using said API submit a command file having said command file variable values for execution by a sub-agent.

13. A method of fulfilling requests according to claim 12, wherein the steps further comprise: after the API has submitted said command file having said command file variable values for execution by a sub-agent, said control program agent enters a state of awaiting execution of said command file by said sub-agent.

14. A method of fulfilling requests according to claim 13, wherein the steps further comprise: during a state of awaiting execution of said command file, processing other requests by the control program agent as a pipe so that the control program agent continually advances requests through the system.

15. A method of fulfilling requests according to claim 14 wherein the steps further comprise: during the state awaiting execution of a command file, using said API to look for a completion signal of execution of said command file, and when that completion signal is received, said control program agent reads the file identified by the name passed to the control program agent in the preceding step that contains the HTML statements which are to be presented with the command file report of results.

16. A method of fulfilling requests according to claim 15 wherein the steps further comprise: while the control program agent reads the file identified by the name passed to the control program agent in the preceding step that contains the

HTML statements which are to be presented with the command file report of results, it dynamically creates new HTML statements for a report of results according to a request of the web browser.

17. A method of fulfilling requests according to claim 16 wherein the steps further comprise: retrieving with said new HTML statement information retrieved from the file identified by the name passed to the control program agent so that it can be provided with the results of a command file report.

18. A method of fulfilling requests according to claim 17 wherein the steps further comprise: retrieving with said new HTML statement information retrieved from said identified file so that it can be displayed as a header accompanying the requested report to be displayed according to the user defined report type, along with the filename of said unique filename.

19. A method of fulfilling requests according to claim 1 wherein the steps further comprise:

during processing by said control program agent providing setups for API calls which occur.

20. A method of fulfilling requests according to claim 1 wherein the steps further comprise:

during processing by said control program agent providing a result according to the request command, which in default is a return to the Web browser home page.

21. A method of fulfilling requests according to claim 1 wherein the input parameters include data entered by said user including variables identifying the type of file to create as a report to be created as a result of said web request and user identified applicable output parameters as to where a result is to be directed, and said steps further comprise: testing with said control program agent for the type of report file to be created by obtaining information from stored variables and said testing further identifies said user identified applicable output parameters, and branching to the sequence applicable to the type of report file to be created.

22. A method of fulfilling requests according to claim 1 wherein the input parameters include data entered by said user including variables identifying the type of file to create as a report to be created as a result of said web request and user identified applicable output parameters identifying where a result is to be routed, and said steps further comprise: if the output is to be routed user identified Web server, then routing said output to the user identified Web server.

23. A method of fulfilling requests according to claim 1 wherein the said associated command file object is a DIS capsule for creating a text file report, and said steps further comprise: when a text file report is created by the DIS capsule, that determines that a text display is to be reported and the the control program agent reads the file created by the DIS capsule and dynamically creates HTML statements to display the data lines to the Web browser as a text display according to a user desired form of presentation.

24. A method of fulfilling requests according to claim 1 wherein the said associated command file object is a DIS capsule for creating a graphics file report, and said steps further comprise: when a graphics file is created by the DIS capsule, that determines that a graphics display is to be reported and the control program dynamically creates the HTML statement to display the graphics file to the Web browser as a display with graphics included, as a presentation of results according to a user specified form of presentation.

25. A method of fulfilling requests according to claim 1 wherein the steps further comprise: